

SENCOR®

Let's live!



LED Television

SLE 1945DM4

USER'S MANUAL

EN



CAREFULLY READ THIS USER'S MANUAL BEFORE PUTTING THE TELEVISION INTO OPERATION. KEEP IT FOR FUTURE USE. RECORD THE MODEL NUMBER AND THE SERIAL NUMBER OF THE TELEVISION. SEE THE LABEL ON THE REAR COVER AND PROVIDE THIS INFORMATION TO YOUR VENDOR IN THE EVENT THAT YOU REQUIRE REPAIRS.

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Important safety instructions

If you want to use this product correctly, carefully read this user's manual and store it for future reference. If you give (sell) the device to somebody, please also include all the documentation together with this device, including this user's manual.



The flash symbol in an equilateral triangle indicates that there is dangerous voltage inside this device, which presents a risk of injury by electrical shock.

To reduce the risk of injury by electrical shock do not remove the cover (or the rear side). There are no components inside which the user can repair. Have all repairs or adjustments performed at an authorised service centre.



The exclamation mark in an equilateral triangle symbol indicates important operating or servicing instructions in the device's documentation.

General safety instructions

- Carefully read this manual before using the device. Follow the instructions contained in this user's manual.
- Heed all warnings.
- Adhere to all instructions.
- Use only accessories determined by the manufacturer.
- **AN OPEN FLAME MUST NOT BE PLACED ON THE DEVICE, E.G. A BURNING CANDLE. DO NOT PLACE HOT ITEMS OR OBJECTS WITH AN OPEN FLAME E.G. CANDLES OR NIGHT LAMPS ON OR IN THE VICINITY OF THE DEVICE. HIGH TEMPERATURES MAY MELT PLASTIC PARTS AND CAUSE A FIRE.**
- Use the device in a temperate climate zone.
- Neither the manufacturer nor the seller of the device under any condition takes responsibility for any direct or indirect damages caused by not adhering to instructions for installation, setup, use, service or cleaning of this device as described in this user's manual.
- Protect the device against being knocked, dropped, hit, shaken and against vibrations, humidity and dust.
- Before allowing children to use the device, they must be appropriately to their age, informed about the correct and safe use of the player.
- If the device is equipped with a headphone jack, do not use headphones set to an extreme volume. There is a danger of hearing damage or loss.

Installation, operation

- Install the device according to the instructions in the user's manual.
- Leave free space on all sides of the device, necessary for proper air circulation. This removes the heat created during operation. Covering the ventilation openings of the device's case creates a risk of overheating or damaging the device. It is necessary to ensure that the ventilation openings are not blocked, e.g. by a newspaper, table cloth, curtain, etc. Follow the installation instructions in the user's manual.
- This device should not be located in a confined area such as a bookshelf or rack, if sufficient ventilation is not provided for or the instructions of the manufacturer are not followed.
- Never insert any items into any ventilation or other openings because they could come into contact with points with dangerous voltage levels or cause a short circuit of parts, which could cause a fire or injury by electric shock. Never pour any liquid into the device.
- Do not install the device in direct sunlight or near sources of heat, such as heaters, heat exchangers, stoves or other appliances (including amplifiers) producing heat. High temperatures significantly reduce the lifetime of electronic components in the device. Do not use or leave the device in the vicinity of an open fire.
- The device must not be exposed to dripping or running water and objects filled with water must not be placed on it, e.g. vases. Protect the device against rain, spray or contact with any other liquid, do not leave or install the device outdoors. Do not use the device outdoors. Not adhering to these instructions creates a risk of electrical shock or fire hazard.
- Do not use this device near water.
- Treat the glass panel and device cover with care. The screen glass can break on impact and cause serious injuries.
- Make sure that the power cord is not stepped on or compressed, particularly near the power plug, power socket and at the point where it exits the device or the adapter. The power plug (adapter) is used as a disconnection device and must be easily accessible.
- Never use a device with a damaged power cord or plug. If the power cord or plug are damaged, turn off the device, disconnect it from the power source and contact an authorised service centre. A damaged power cord or plug may only be replaced by qualified personnel. Under no circumstances attempt to replace the power cord or plug yourself.
- Do not attempt to circumvent the polarised power plug safety feature. If the power plug cannot be inserted into your power socket, contact a qualified electrician to replace the old type of power socket.
- Before connecting the device into a power socket, check that the voltage in your power socket corresponds to the voltage on the rating label of the device or on its power adapter. If you are not certain about the type of the power sources in your home, contact your vendor or the local energy company.
- Before turning on the device, check that the electrical connection is performed properly and in accordance with the instructions of the manufacturer. Before

connecting or changing the connection, turn off the device and disconnect it from the mains.

- Remember to always disconnect the power plug (adapter) from the power socket before disconnecting the power cable from the back side of the device.
- Insert the power plug into a independent power socket. Do not overload wall sockets with extension cords or multi-socket adapters. There is a risk of injury by electric shock.
- When disconnecting, hold the power cord by the plug and not by the cord itself.
- Disconnect the device from the power socket during storms or if you will not be using it for a longer time.
- Avoid moving the device from a cold environment to a warm one or vice versa, or when using the device in a very humid environment. Air humidity may condense on some components inside the case of the device and the device may stop working temporarily. If this occurs leave the device in a warm and well ventilated place and wait 1 – 2 hours until the moisture evaporates and the device can once more be used as usual. Take care especially during the first use of the player immediately after its purchase during a cold season.
- Do not place this device on an unstable cart, pedestal, stand, bracket or table. The device could fall and cause serious injuries to children or adults or could be seriously damaged or damage other items. Only use the device with a cart, pedestal, stand or table designated by the manufacturer or sold with the device. Any mounting of the device should be carried out according to the manufacturer's instructions and the mounting accessories recommended by the manufacturer should be used.
- Do not lean on the device, do not lean over it or use it as a step. Protect it against violent movements. Ensure that children do not play with the device.



If using the cart, be careful when moving it. Stopping suddenly, excessive force and uneven surfaces could cause the cart to fall over with the device.

- Neither the manufacturer nor the seller of the device under any condition takes responsibility for any direct or indirect damages caused by not adhering to instructions for installation, setup, use, service or cleaning of this device as described in this user's manual.
- Protect the device against being knocked, dropped, hit, shaken and against vibrations, humidity and dust.
- Do not expose the device to extreme temperatures or humid conditions.

Note:

If the device is powered by an adapter, use only the adapter and AC power cord supplied with the device. Do not use faulty power sockets. Check that the power plug is properly inserted into the power socket. If the power plug is loose, arcing could result in a fire. Contact a qualified electrician to have your socket replaced.

Note:

Only connect the device to a properly grounded socket with a protective grounding pin.

Note:

If you will be installing the device on a wall or to the ceiling, follow the manufacturer's instruction found in the user's manual of the particular device.

Repairs and maintenance

- To prevent risk of injury through electrical shock or the creation of a fire, do not take the device out of the case - there are no parts inside the case repairable or adjustable by the user without relevant equipment and qualifications. Should the device require adjustment or repair, contact a professional service centre.
- In the case of any unusual events occurring during the use of the device, e.g. if there is a distinct smell of burning insulation or smoke comes out of the device, immediately turn off the device, disconnect the device from the power source and do not use the device until you have received the results of an inspection by the employees of the professional service centre.
- Have all repairs carried out by qualified personnel. Repairs are necessary if the device has been damaged in any way, for example if the power cord is damaged, liquid was poured on the device, foreign objects have entered the device, the device has been exposed to rain or moisture, if the device is not working as usual or if it has fallen.
- In the event of repair or replacement of a part of the device, ensure that the service technician uses components designated by the manufacturer or that these components have the same specifications as the original ones. Unauthorised replacements could cause a fire, lead to a danger of injury by electrical shock or other dangers.
- Before cleaning, carrying or other maintenance, disconnect the plug (adapter) from the power socket.
- Clean the device only with a dry cloth.
- For cleaning do not use petrol, thinners or any other solvents or use any abrasive cleaning agents, steel wool or any sponges with steel wool.

Note:

Do not throw the device into ordinary household waste. For disposal follow all local laws and regulations.

Remote control and batteries

- Do not expose the remote control or the batteries to direct sunlight or sources of heat, such as heaters, heat exchangers, stoves or other appliances (including amplifiers) that produce heat. Do not use or leave the device in the vicinity of an open fire.

- Ensure that the sensor is not exposed to a strong light source (e.g. sunlight) or light from fluorescent light tubes, which could reduce the effectiveness and reliability of the remote control.
- Neither the remote control nor the batteries may be exposed to dripping or running water and objects filled with water must not be placed on them, e.g. vases. Protect against exposure to rain, spraying or pouring of any kind of liquid. Do not use outdoors. Not following these instructions creates a danger of damage to the remote control or the battery.
- Do not use this device near water.
- It is necessary pay attention to the environmental impact aspects of battery disposal.
- The incorrect use of batteries may cause the leakage of the electrolyte and corrosion. To ensure that the remote control works correctly, proceed according to the instructions below:
 - Make sure when inserting batteries to correctly align the polarities (+/-).
 - Do not recharge, heat, open or short circuit the batteries.
 - Do not throw batteries into a fire.
 - Do not leave discharged batteries in the remote control.
 - Do not combine various types of batteries or new and old batteries.
 - If you will not be using the remote control for a long period of time, remove the batteries to prevent potential damage caused by a subsequent battery leakage.
 - If the remote control is not working correctly or its operational range is reduced, change all batteries for new ones.
 - If electrolyte leaks out from the batteries, have the remote control cleaned by an authorised service centre.

**ATTENTION**

To prevent a fire hazard or injury by electrical shock, do not expose this device to rain or humidity.

**ATTENTION**

Batteries must not be exposed to excessive heat, for example sunlight, fire, etc.

DVD player

This device is equipped with a built-in DVD player.

For safety reasons, as a rule, the disc drive is located on the side of the device, thus preventing exposure to laser radiation. Under no circumstances should you in any way attempt to modify or change the disc drive opening. Do not look into the disc drive opening when inserting a disc into the disc drive or during playback. An emission of visible laser radiation could occur. Do not look into laser beams.

**ATTENTION**

This device with a built-in DVD player is a class 1 laser product. When using control elements or procedures that are not described in this user's manual, people may be exposed to dangerous radiation as the laser beam used in this device is damaging to human eyesight. Do not attempt to disassemble the device's housing. Have all repairs performed by qualified personnel at a service centre.

**WARNING**

Tampering and adjusting or modifying the device without the express approval of the manufacturer or an authorised representative may lead to the warranty becoming void, loss of the device, damage to property and last but not least to serious health damage to people.

Storing and handling discs:

Handling discs

- Use discs that have a regular shape. Using an irregular-shaped disc (a disc with an irregular shape) may damage the player.
- Do not touch the surface of the disc where there is no label and where the recording is stored. When handling the disc, hold it by its edges or by the edge and the centre disc opening.
- Do not stick any papers or adhesive tape on the disc.
- If you will not be using the player for an extended period of time, remove the batteries and pack it for storage.
- Take care not to leave fingerprints or scratches on the disc.

Notes:

- Do not write on the printed side of the disc with a ballpoint pen or pencil. For labelling discs use soft felt tip markers made especially for this purpose.
- Do not use scratch-resistant protection or covers.
- Do not use discs with labels made using label printers available on the market.
- Do not insert warped or cracked discs.

Cleaning discs

- Fingerprints and dust affect the quality of the image while playing the recording from the disc. Prior to use, wipe the disc from the centre outwards using a clean lint-free cloth.

- Do not use any solvents such as thinners, benzol (benzene), standard cleaning agents or anti-static sprays.

Storing discs

Take care not to damage the disc because data stored on it is very sensitive to the surrounding environment.

- Do not leave discs in direct sunlight or near sources of heat. Do not leave discs in closed motor vehicles parked in direct sunlight. There is a risk that the disc may warp.
- Store in a cool ventilated place.
- Store in a vertical position.
- Store in a clean protective cover.
- If you suddenly move the player from a cold location to a warm one, then condensation may form on the components and lens and cause irregular playback of the disc. If this occurs, do not connect the power cord to a power socket and wait for 2 hours. Then insert a disc and try playing it again.

Supported disc formats

The system supports the following disc formats:

DVD; DVD +/-R; DVD +/-RW

CD; CD+/-R; CD +/- RW

VCD; CDG

RW
COMPATIBLE

This information informs the user that the player can playback DVD-RW recordings in VR format (Video Recording).

Notes:

1. Depending on the recording media, recording method (used PC program used for the disc recording) and its finalisation, it is possible that it will not be possible to play some CD-R or DVD+/-RW/R discs.
2. Do not stick any stickers or labels on either side of the disc (the side with the printed label or the side with the recording).
3. Use the player to play only circular discs - when playing irregular shaped discs there is a risk of damaging the disc or the player.
4. Some DVD and Video CD playback operations may be intentionally programmed by the producer of the software. This device plays DVD and Video CD discs according to the disc contents created by the producer of the software and so some playback functions may not be available, or conversely there may be additional functions available.

Made under a licence from Dolby Laboratories, Inc. "Dolby", "Pro Logic" and the double D icon are registered trademarks of Dolby Laboratories, Inc.

Region code



This player is intended for playing DVD video designated by the code for region 2 or ALL (discs designated in this way can be played by all DVD players). You can find the region code of the disc on its label, the region code of the player is located on its rear or under side. After inserting a DVD with a different than the above mentioned region code into the player a message will appear on the screen "Check region Code" and the playback of the DVD will be rejected.

This product is equipped with copyright protection technology, which is protected by USA patents and other intellectual property laws of ROVI. Reverse engineering and disassembly are forbidden.

Supplement to the LCD screen user's manual

SENCOR® **Warning about displaying static images, red/blue/green pixels on the screen.**

Displaying a static image may cause permanent damage to the LCD panel.

- Do not display a static image on an LCD screen for longer than 2 hours as the image may remain in the picture of the screen. This permanent picture is called "screen burn-in". To prevent such permanent images, lower the brightness and contrast level on the screen when viewing a static image.
- A similar effect "image burn in" may occur on an LCD panel because of a permanently displayed television station logo.
- Viewing pictures in formats 4:3, 16:9 or similar modes, which do not cover the entire screen for an extended period of time may leave display marks on the left, right side or in the middle of the screen, caused by the differing light level on the screen. Playing a DVD or image from a game console can cause a similar effect on the screen.
- Displaying a static image of video games and from a computer for an extended period of time may cause partial image remains. To prevent this effect from occurring lower the brightness and contrast when displaying a static frame.



Damage resulting from the above mentioned causes is not covered by the warranty!

Red, blue, green and black pixels may appear on the screen.

- This is characteristic for liquid crystals and is not considered to be a problem. Liquid crystal panels are manufactured using a very precise technology bringing very fine image details. Occasionally inactive pixels may appear on the screen as permanent black, green, blue or red pixels (maximum 0.001% of the total number of pixels). Please take note that this does not affect the performance of the LCD screen.

Notes on the USB connector:

- USB flash drives must be inserted into the device directly. To prevent data transmission failure or its interference do not use USB extension cables. Electrostatic discharges may cause the device to malfunction. In such an event the user must restart the device.
- Before using a USB flash drive test its ability to communicate with the device and its data reading and writing speed.
- To achieve maximum reading speed we recommend that you keep disk space defragmented. Use the FAT32 file system, a single partition, without protection. If reading and writing on the USB flash disk is not continuous, undesirable effects may occur such as partial image loss (distortions/checkering effects) or complete image loss, audio defects, and in extreme cases the operation will be stopped. Unexpected behaviour of the connected flash drive, or the presence of viruses or other damaging software may cause the functions of the device to stop working, necessitating a restart.
- The USB connector is the standard type and is not able to power a USB device with a high power usage (e.g. hard disk drives HDD). Use devices with independent power supplies and power them from their own power supplies.
- The device was designed to achieve maximum compatibility with flash drives. With respect to the variety of devices on the market it is not possible to guarantee compatibility with every USB device. In the event of difficulties try formatting the flash drive directly in the device. If problems persist, use a different flash drive.

Due to the wide range of SD/MMC/MS cards / USB devices available on the market it is not possible to guarantee the compatibility of the device with all SD/MMC/MS cards / USB devices.

Serial number of the device

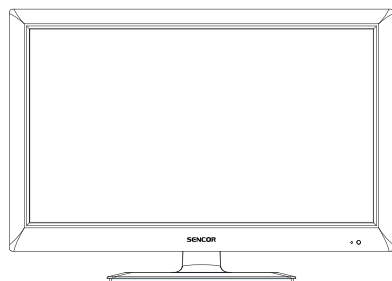
The serial number of the device is unique and unequivocally identifies your device. Enter the serial number of your device together with other details necessary for the definite identification of your device below.

Serial number: _____

Date of purchase: _____

1. Accessories

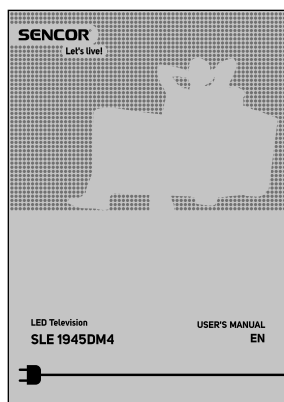
LED TV



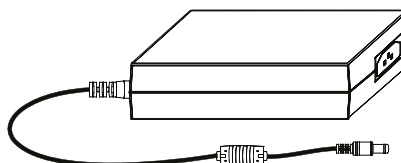
Remote control



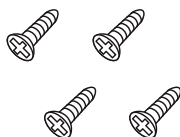
User's manual



Power adapter



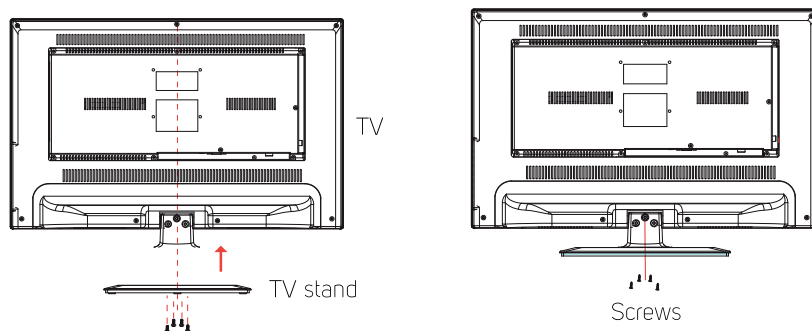
4 x mounting screws



2. Installation

Assembling the television

1. Place the television on the stand, hold the television and rotate it in the direction of the arrow to secure it in the stand.
2. Screw in the stand using the mounting screws.

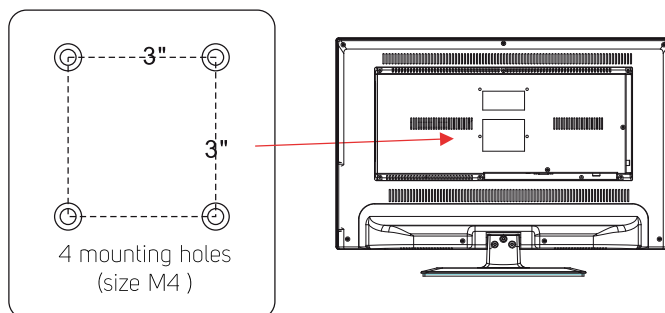


Wall mounting

This television supports the VESA dimension. For wall mounting use a holder with the VESA dimensions of 75 mm x 75 mm. The holder is not included with the product. Mount the holder according to the instructions contained in the user's manual of the holder. The length of the mounting screws must not be longer than 8 mm.

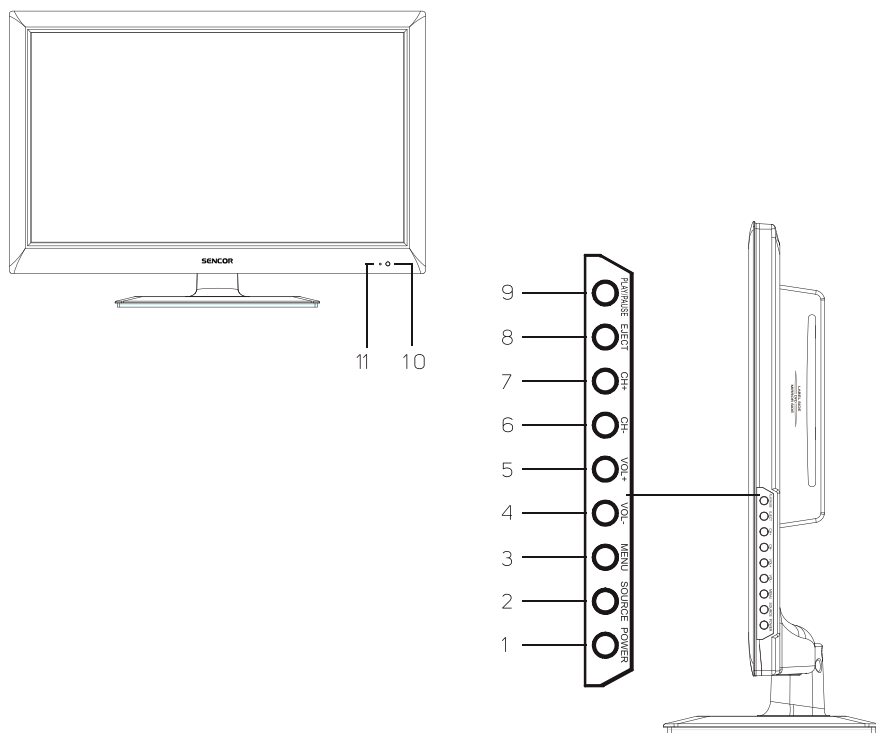
Note:

Remove the stand before mounting on a wall.



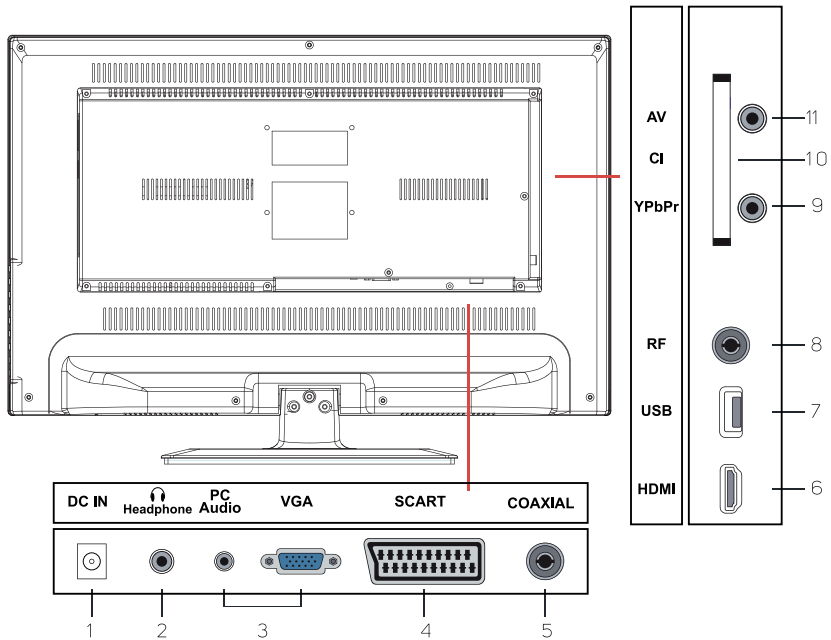
3. Description of the device

Description and functions of the control panel



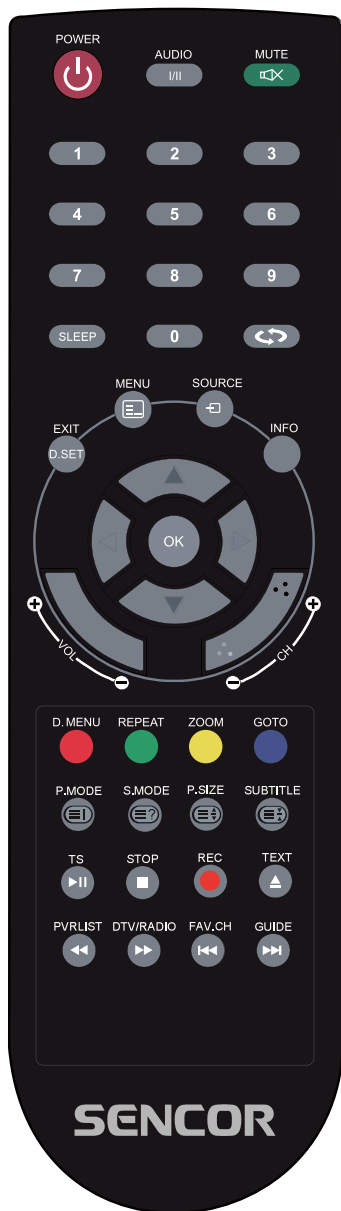
1. **POWER** button: turn the television on / switch it to stand-by mode
2. **SOURCE** button: select a signal source
3. **MENU** button: enter the menu
4. **VOL-** button: lower the volume
5. **VOL+** button: increase the volume
6. **CH-** button: select the previous channel
7. **CH+** button: select the next channel
8. **EJECT** button: in DVD mode it is used to eject discs.
9. **PLAY / PAUSE** button: start/pause playback
10. **Remote control sensor**: receives the signal from the remote control
11. **LED indicator light**: shows the status of the device
(green = on, red = stand-by mode)

Rear panel and possible connections


















1. **DC 12V:** connect a power adapter connector
2. **Headphone** for connecting headphones
3. **VGA/PC Audio:** connect to a PC or another device with a VGA connector for video and the minijack for audio.
4. **SCART:** connect to an external device via a SCART connector. The SCART interface offers RGB, AV signals with audio input/output between the TV and the external device.
5. **COAXIAL:** output audio signal for connecting to a 5.1 audio system
6. **HDMI:** input for connecting an AV device with a HDMI connector
7. **USB:** connect a USB device
8. **RF:** connect a VHF/UHF antenna
9. **YPbPr:** connect to a DVD player, set-top-box or another AV device with component video output (YPbPr)
10. **CI:** connect a CI module
11. **AV:** input for connecting video output from a DVD or VCR

4. Remote control



1. **POWER** button: turn the television on / switch it to stand-by mode
2. **AUDIO** button: select the broadcasting of audio tracks
3. **MUTE** button: immediately turn off audio and press again to resume at the previous volume
4. **Numerical buttons 0-9**: directly select a channel
5. **SLEEP** button: set the automatic shut off timer
6. **↺↻** button: switch between the previous and the currently viewed channel
7. **EXIT** button: exit the OSD menu
D.SET button: in DVD mode enter/exit the DVD settings menu
8. **MENU** button: display the OSD menu
9. **SOURCE** button: display and change the input source. Use the **▲/▼** buttons to select the appropriate source and press the **OK** button. In this way you can also select another source by repeatedly pressing **SOURCE** and to wait at the desired source until the Source menu disappears.
10. **INFO** button: show information, e.g. about the channel, input source, etc.
11. **▲/▼/◀/▶/OK** buttons: direction buttons for navigating in menus and setting values; the **OK** button confirms the setting. The **OK** button will also display the list of channels.
12. **VOL +/-** buttons: set the volume
13. **CH +/-** buttons: change the channel up/down

14. **Coloured buttons:** select a function in Teletext mode. The currently assigned function is shown on a teletext page
Coloured buttons have various functions when playing media files and DVD:
D.MENU (only DVD): go to the menu defined by the inserted disc.
ZOOM button: increase/decrease the size of the picture
REPEAT button: select repeated playback mode –   (all/1 track/normal playback)
GOTO button: select a playback location
The following buttons have various functions depending on the current operating mode or selected source. To work with teletext it is necessary to display it by pressing TEXT, to work with USB memory it is necessary to have it inserted in the USB port; you can control media during playback:
15. **P.MODE** button: select the picture mode
 (TTX, Index) button: show the main teletext pages
16. **S.MODE** button: select audio effects
 (TTX, Reveal) button: show hidden information, e.g. answers to quiz questions.
17. **P.SIZE** button: change the side aspect ratio
 TTX button: show an enlarged view of the top or bottom half or of the entire page
18. **SUBTITLE** button: show the subtitles menu on the screen in DTV mode. Use the   buttons to select subtitles based on the available subtitles.
 (TTX, Hold) button: "Freeze" a page in teletext mode and prevent automatic page rotation
19. **REC** button: in DTV mode press the REC button to start recording, press the  button to stop recording.
20. **TIME SHIFT (TS)** button: Press this button in DTV mode to start the recording function with time shift, press the play (PLAY/PAUSE) button to start recording with time shift. To stop the time shift function, press the STOP  button and confirm this intention.
: In Media mode it is used for starting or pausing playback (PLAY/PAUSE).
: In the Media mode it is used to stop playback.
22. **TEXT** button: turn the teletext function on / off.
 (EJECT):. Eject the inserted disc
23. **PVR LIST** button: In DTV mode the PVR LIST (PVR List) and Index will be shown.
: In the media mode it is used to quickly move backwards.
24. **TV/RADIO** button: In DTV mode it serves to switch between television and radio channels.
: In the media mode it is used to quickly move forwards.
25. **FAV.CH** button: show the favourite channels list
: In Media mode it is used to skip to the previous chapter or track.

26. **GUIDE** button: show the electronic program guide on the screen in DTV mode. Press again to turn off the EPG mode.

▶▶I: In Media mode it is used to skip to the next chapter or track.

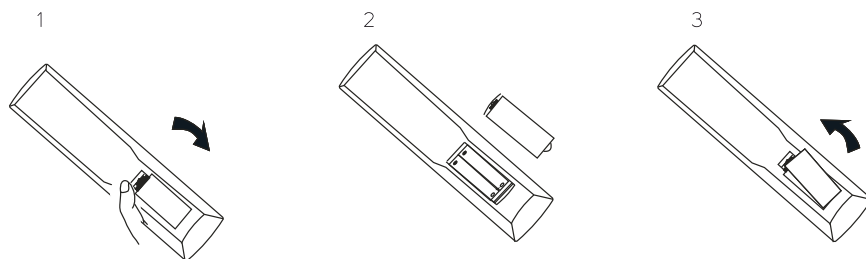
Note:

The **DVD MENU** & ▲ buttons are only available on models with a built-in DVD player.

Battery Installation

Before first use or if the remote control is not working correctly, it is necessary to replace the batteries in the remote control.

1. Open battery compartment cover.
2. Insert two AAA type batteries. (Ensure that the correct polarity (+) and (-) is adhered to as marked inside the battery compartment.)
3. Return the cover to its place.



Using the remote control

Point the remote control at the remote control sensor. The remote control range is approx. 5 m. Remove all items located between the remote control and the television, which could prevent the transmission of the signal.



CAUTION

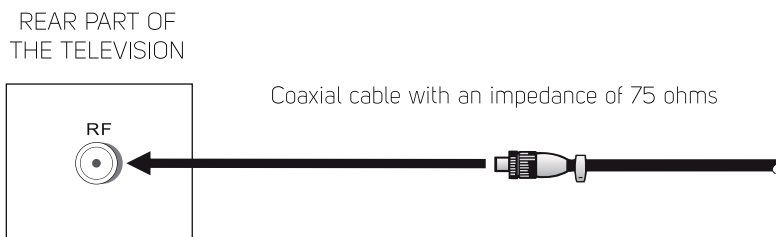
1. Do not subject the remote control to large loads. Neither the remote control nor the batteries may be exposed to dripping or running water and objects filled with water must not be placed on them, e.g. vases. Protect against exposure to rain, spraying or pouring of any kind of liquid. Do not use outdoors. Not following these instructions creates a danger of damage to the remote control or the battery.
2. Do not expose the remote control or the batteries to direct sunlight or sources of heat, such as heaters, heat exchangers, stoves or other appliances (including amplifiers) producing heat. Do not use or leave the device in the vicinity of an open fire. High temperatures may deform the remote control.
3. Do not expose the remote control sensor to direct sunlight as it has a negative effect on the function of the remote control. In such a case change the angle under which the television is controlled or come closer to the television with the remote control.

5. Connections

5.1. Antenna connection

Locate the television in such a way that the screen is not exposed to direct light, e.g. sunlight. Complete darkness or light reflections from the screen may cause eye fatigue. For comfortable viewing, we recommend soft indirect lighting. To achieve optimal reception and colour quality it is necessary to have a good signal, which is generally obtained using an outdoor antenna.

The specific type and position of the antenna depends on the given installation location.

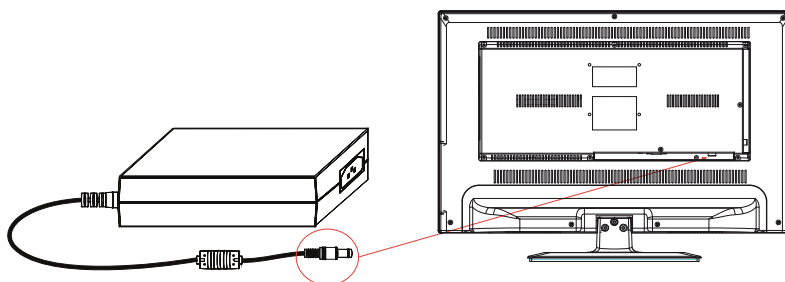


Note:

It is recommended to use a coaxial cable with an impedance of 75 ohms to reduce interference and noise, which may hamper reception.

The antenna cable should not be lead together with the power cord.

5.2. Power supply connection

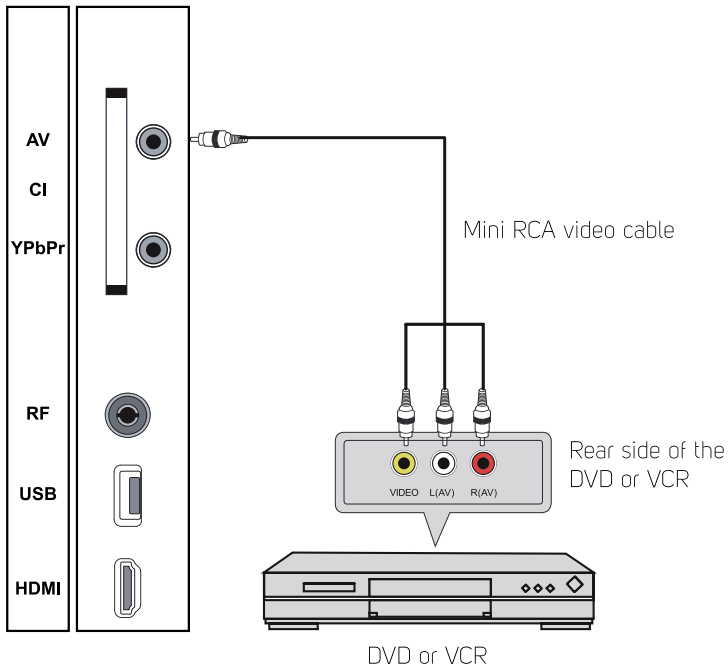


Note:

Make sure the voltage stated on the rating label of the device/power adapter corresponds to the voltage in your wall socket. If you will not be using the device for an extended period of time, disconnect the power adapter from the wall socket.

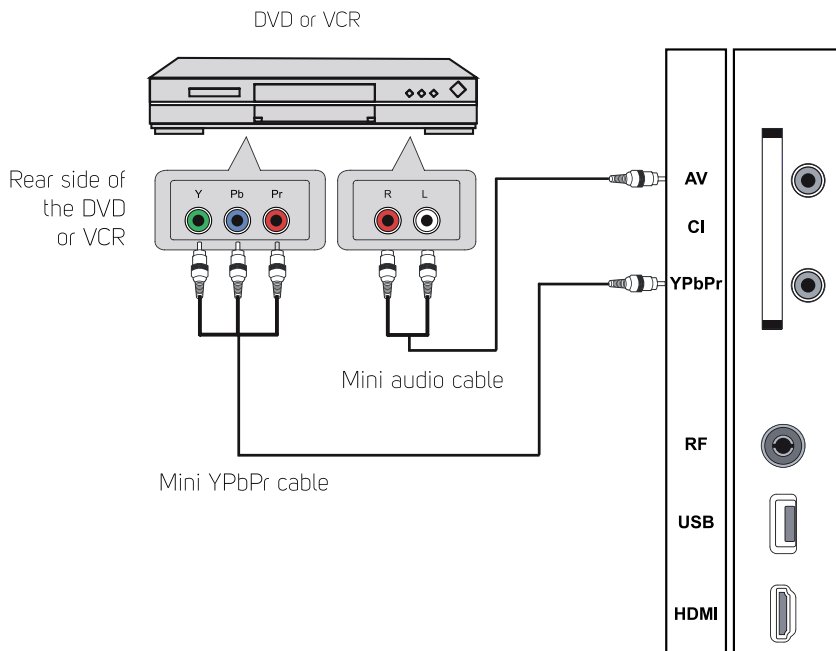
5.3. AV connection

Connect the video player, decoder, DVD player or similar devices using the respective mini RCA cable (not included) from the AV (audio/video) output connector of the video device to the video and audio input connector of the television using the cable as shown in the picture



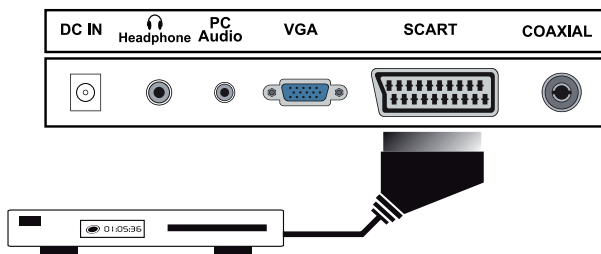
5.4. YPbPr connection

Connect the video player, decoder, DVD player or similar devices using an RCA cable (not included) from the mini YPbPr output connector of the device to the video input connector of the television using a cable (not included) as shown in the picture. Connect the audio using an RCA cable (not included) from the television to the audio output connector of the device.



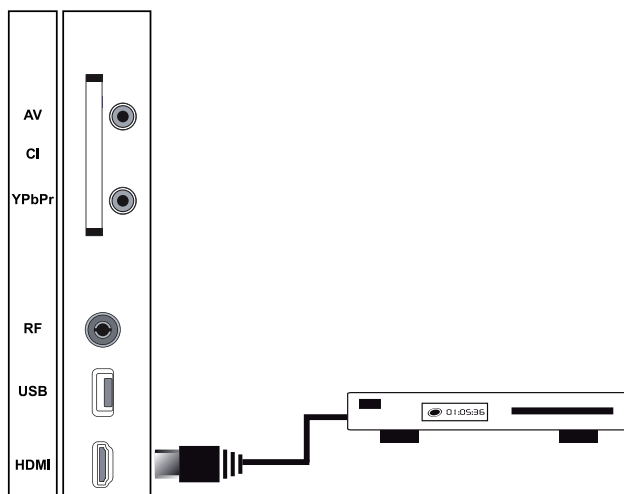
5.5. Scart connection

Connect the video player (VHS, Betamax, etc.), decoder, DVD player or similar device using the appropriate SCART cable from the SCART output connector of the video device to the SCART input connector of the television as shown in the picture.



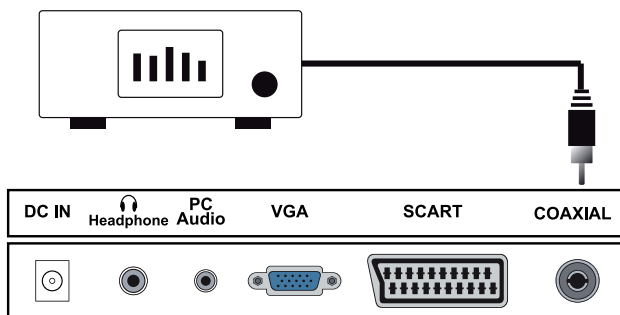
5.6. HDMI connection

Connect the video player (VHS, Betamax, etc.), decoder, DVD player or similar device using the appropriate HDMI cable from the HDMI output connector of the video device to the HDMI input connector of the television as shown in the picture. This cable transmits HD video and audio.



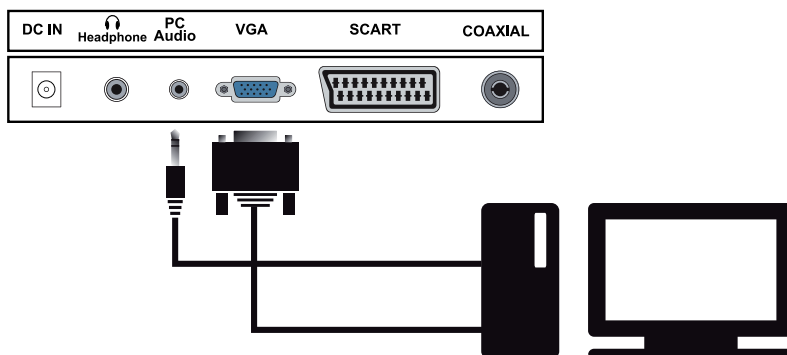
5.7. Coaxial connection

If you wish to connect the television to a hi-fi system with digital audio input to improve the listening experience, use the coaxial output connector on the television.



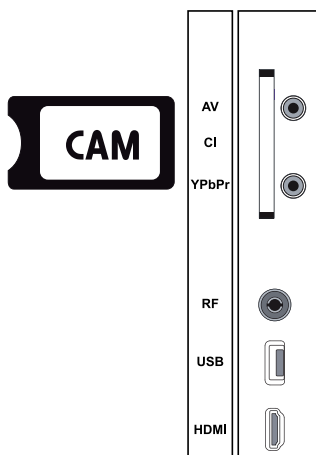
5.8. PC connection

Connect the VGA (RGB) output connector from the computer to the respective input connector on the television and the audio output connector to the PCIN connector on the television, as shown in the picture.



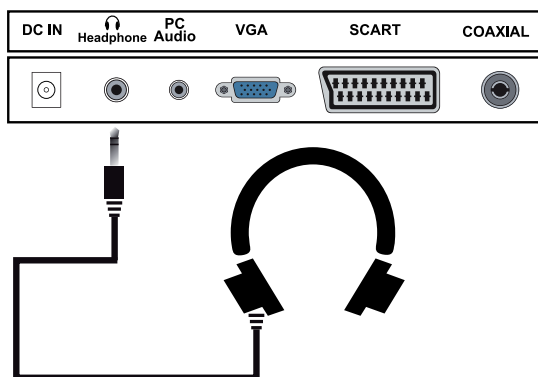
5.9. CI port

Insert the conditional access module and the appropriate decoding card into the standard interface slot if you wish to receive a signal with conditional access, e.g. paid DTT signal.



5.10. Headphone connection

Use the HEADPHONES output connector on the television if you wish to listen to the audio output of the device using stereo headphones. If you connect headphones to the device, the main loudspeakers will be turned off.

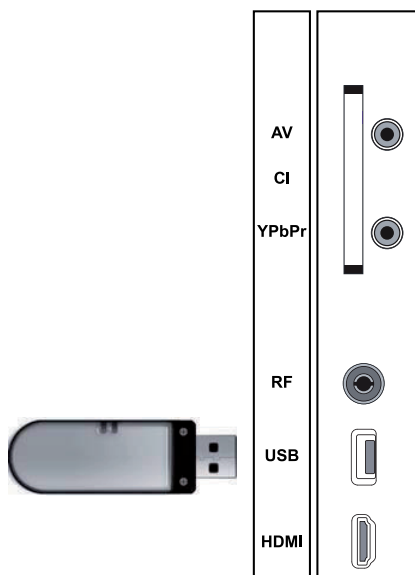


5.11. USB connection

Use the USB host port of the device to connect a flash disk or a hard disk for playback, recording or to use the Timeshift set of functions.

Note:

Read the information about USB connection in the introduction to this manual.

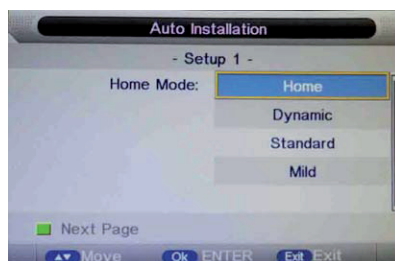


6. Initial installation

If you turn on the television for the first time or if it is necessary to perform the initial installation.

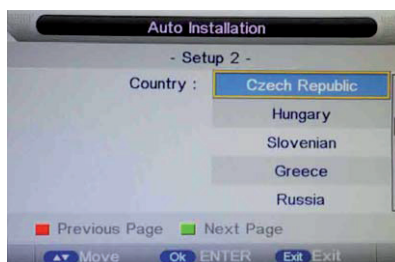
6.1. Home Mode

Use the ▲/▼ buttons and **OK** to select a mode. If you wish to skip this dialogue box, press the **GREEN** button. For standard use, select **Home mode**. A different mode may have a greater electricity consumption due to adaptation to specific presentation conditions.



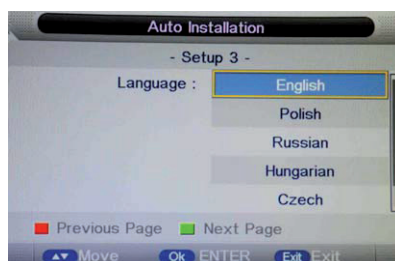
6.2. Country

Use the ▲/▼ buttons and **OK** to select **Country**, i.e. country of installation. If you wish to skip this dialogue box, press the **GREEN** button. If you wish to show the previous dialogue box, press the **RED** button.



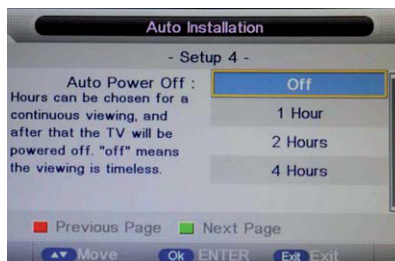
6.3. Language

Use the ▲/▼ buttons and **OK** to select **Language**, i.e. OSD language. If you wish to skip this dialogue box, press the **GREEN** button. If you wish to show the previous dialogue box, press the **RED** button.



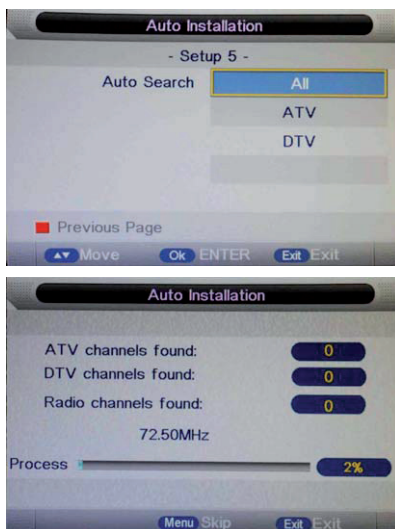
6.4. Auto Power Off

Use the **▲/▼** buttons and **OK** to select **Auto Power Off**, i.e. set the time interval after which the television will turn itself off if no button is pressed. The usual and recommended time interval is 4 hours. If you wish to skip this dialogue box, press the **GREEN** button. If you wish to show the previous dialogue box, press the **RED** button.



6.5. Auto Search

Use the **▲/▼** buttons to select between digital and analogue television or both, and press **OK** to select **Auto Search**. The television will gradually tune the determined broadcast bands and store the found programs in memory. If you wish to show the previous dialogue box, press the **RED** button.



Notes:

The pictures provided above are for illustration purposes only and may differ from the model that you actually have.

It may take a few moments for individual menus and dialogue boxes to appear. Wait until the given menu or dialogue box appears. This is normal.

7. Basic settings

7.1. Picture Menu

Use the **MENU** button to enter the OSD menu, use the **▲/▼/◀/▶** buttons to select the **Picture** menu.



- Use the **▲/▼** buttons to select the **Picture Mode** and then press **OK** to enter the submenu. Here, set the picture mode. For the User mode, here you can also set more picture parameters (brightness, contrast, sharpness, colour, or tint if appropriate).
- Use the **▲/▼** buttons to select **Brightness** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to set the brightness.
- Use the **▲/▼** buttons to select **Contrast** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to set the contrast of the picture.
- Use the **▲/▼** buttons to select **Sharpness** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to set the sharpness of the picture.
- Use the **▲/▼** buttons to select **Colour** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to set the colour of the picture.
- Use the **▲/▼** buttons to select **Tint** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to set the tint of the picture. The Tint submenu is only available in NTSC mode.
- Use the **▲/▼** buttons to select **Colour Temperature** and then press **OK** to enter the submenu. Use the **◀/▶** buttons and **OK** to set the colour temperature of the picture.
- Use the **▲/▼** buttons to select **Aspect Ratio** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to set the side aspect ratio.
- Use the **▲/▼** buttons to select **Noise Reduction** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to set the level of noise reduction.

7.2. Sound Menu

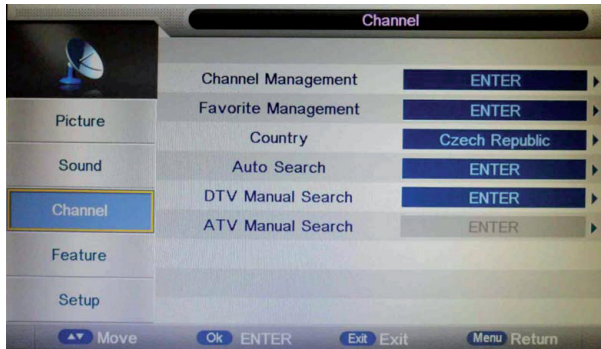
Use the **MENU** button to enter the OSD menu, use the **▲/▼/◀/▶** buttons to select the **Sound** menu.



- Use the **▲/▼** buttons to select the **Sound Mode** and then press **OK** to enter the submenu. Here, set the sound mode. For the User mode, here you can also set the specific bass and treble levels.
- Use the **▲/▼** buttons to select **Bass** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to set the bass level.
- Use the **▲/▼** buttons to select **Treble** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to set the treble level.
- Use the **▲/▼** buttons to select **Balance** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to set the sound balance between the left and right channel.
- Use the **▲/▼** buttons to select **Surround** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to select "On" or "Off".
- Use the **▲/▼** buttons to select the automatic volume limiter function **AVL** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to select "On" or "Off".
- Use the **▲/▼** buttons to select **SPDIF** and then press **OK** to enter the submenu. Use the **◀/▶** buttons to select the SPDIF digital audio output mode.

7.3. Channel Menu

Use the **MENU** button to enter the OSD menu, use the **▲/▼/◀/▶** buttons to select **Channel** menu.



- Use the **▲/▼** buttons to select the **Channel Management** and then press **OK** to enter the submenu.

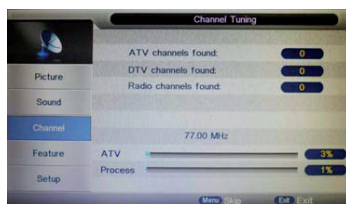


- **Delete** - Use the **▲/▼** buttons to select a channel that you wish to delete (remove) and press the **RED** button once to delete (remove) the channel.
- **Lock** - Use the **▲/▼** buttons to select a channel that you wish to lock and press the **GREEN** button once to lock the channel. To watch this channel you will be asked to enter a valid password. The factory-set password is 0000.
- **Skip** - Use the **▲/▼** buttons to select a channel that you wish to skip when scrolling up/down through the channels and then press the **YELLOW** button once to mark the skip. If you press the **YELLOW** button again, the skip function will be cancelled. **Note:** the skipped channel can still be seen in the channel list, where you can skip it or select it directly by entering its number using the numerical buttons.

- **Swap** – Use the ▲/▼ buttons to select a channel that you wish to swap and press the **BLUE** button. The selected channel will start flashing. Then move to a new channel position using the ▲/▼ buttons (this new position is flashing) and press the **BLUE** button again to confirm the move.
- Use the ▲/▼ buttons to select the **Favorite Management** and then press **OK** to enter the submenu. Now using the coloured buttons you will be able to arrange the channels into lists of favourites. Use the **FAV** button to call up the favourites list.



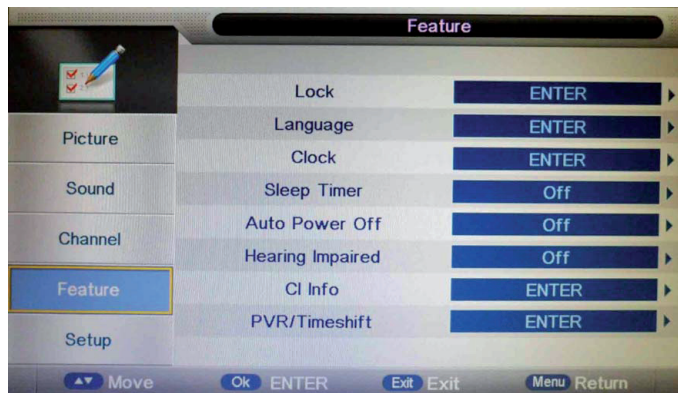
- Use the ▲/▼ buttons to select **Country** and then press **OK** to enter the submenu. Now select the country of installation to launch the automatic tuning process.
- Use the ▲/▼ buttons to select the **Auto Search** and then press **OK** to enter the submenu. Now select the tuning area. **It may take a few moments for individual menus and dialogue boxes to appear. Wait until the given menu or dialogue box appears. This is normal.**



- Use the ▲/▼ buttons to select the **DTV Manual Search** and then press **OK** to enter the submenu. Now set the required multiplex parameters and select "Start" to start the scan of channels and the services contained therein. **Note:** This menu is only available in the DTV mode.
- Use the ▲/▼ buttons to select the **ATV Manual Search** and then press **OK** to enter the submenu. Now set the necessary parameters. **Note:** This menu is only available in the ATV mode.

7.4. Feature Menu

Use the **MENU** button to enter the OSD menu, use the **▲/▼/◀/▶** buttons to select the **Feature** menu.



- Use the **▲/▼** buttons to select **Lock** and use the **OK** button to display the dialogue box for the entry of a valid password. After entering a valid password a submenu will appear where you can set the following: Channel lock (activation of a lock on selected channels in the Channel management), Parental lock (the age for limiting the watching of programs unsuitable for children can be set. The broadcaster must rate such programs with a designation of the suitable child age), Change the PIN code (it is appropriate to change factory-set password to your own password), Hotel mode (special mode with various limitations for hotel operation, which are usually set by the installation worker). **Note:** The factory-set password is 0000. If you do change the password, remember it.
- Use the **▲/▼** buttons to select **Language** and then press **OK** to enter the submenu. Here select the desired menu (OSD) language, preferred subtitles (if they are available with the broadcast), preferred audio (if available in the broadcast), digital and analogue teletext. **Note:** remember that even in digital broadcasting the present teletext is usually in analogue and needs to be setup correctly.
- Use the **▲/▼** buttons to select **Clock** and then press **OK** to enter the submenu. Here select the time zone, or DST summer time if appropriate. The recommended value is AUTO, where the information about the time zone and summer time is taken from the broadcast.
Note: a correct time setting is essential for other time functions – EPG and timers
- Use the **▲/▼** buttons to select the **Sleep Timer** and then press **OK** to enter the submenu. Here set the time for the television to be switched off to the stand-by mode. A message with a second countdown will appear a few moments before the TV is actually turned off. Pressing any button will cancel both the turning off (the TV will remain turned on) and reset your set timer value. **Note:** the timer sleep interval will again be reset when the television is turned on again.

- Use the ▲/▼ buttons to select the **Auto Power Off** and then press **OK** to enter the submenu. Here set the time interval after which the television will turn itself off if no button is pressed.
- Use the ▲/▼ buttons to select the broadcasting function **Hearing Impaired** and then press **OK** to enter the submenu. Use the ◀/▶ buttons to select “On” or “Off”. The function will display special subtitles if the program has them.
- Use the ▲/▼ buttons to select the **CI Info** and then press **OK** to enter the submenu. Here you will enter your conditional access module that is inserted in the CI slot of the television.
- Use the ▲/▼ buttons to select the **PVR/Timeshift** and then press **OK** to enter the submenu. Here set the PVR recording parameters or Timeshift. **Note:** The actual controls for PVR recording and Timeshift are described further on in the user's manual.

7.5. Setup Menu

Use the **MENU** button to enter the OSD menu, use the ▲/▼/◀/▶ buttons to select Setup (Settings) menu.



- Use the ▲/▼ buttons to select the **OSD Timer** and then press **OK** to enter the submenu. Here set the time interval for which the OSD menu is shown on the screen. The timer can be completely disabled if necessary, the menu then remains shown permanently until the **EXIT** button is pressed.
- Use the ▲/▼ buttons to select **Auto Scart** and then press **OK** to enter the submenu. Use the ◀/▶ buttons to select “On” or “Off”.
- Use the ▲/▼ buttons to select the **PC Setup** and then press **OK** to enter the submenu. Here set the PC setup parameters. The option is only active when the PC source is selected. To set the VGA picture processing parameters, it is necessary for a VGA input and signal to be present.

- Use the ▲/▼ buttons to select the **Blue Screen** and then press **OK** to enter the submenu. Use the ◀/▶ buttons to select “On” or “Off”. This option is available only for ATV.
- Use the ▲/▼ buttons to select the **Home Mode** and then press **OK** to enter the submenu. Here select the operating mode.
- Use the ▲/▼ buttons to select the **Reset TV Setting** and then press **OK** to enter the submenu. Here select **OK** or Cancel (Cancel).
- Use the ▲/▼ buttons to select the **Software Update** and then press **OK** to enter the submenu. Here it is possible to update the software via USB.

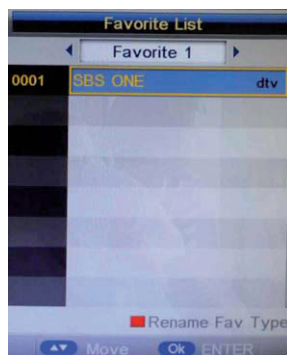
Note:

For updating, only use software determined by the manufacturer for this model and respect all the instructions of the manufacturer. Damages resulting from incorrectly performed software updates are not covered by the warranty. If you are not certain, have it performed at an authorised service centre.

8. DTV functions

8.1. Favorite List

In the DTV mode it is possible to enter the list of favourites using the **FAV** button. Four groups of favourite channels can be renamed by the user, e.g. names of members of the household.



8.2. Program Information

In the DTV mode, press the **INFO** button to display information about the program that is being broadcast. Depending on the information received from the broadcast, the name of the program, duration, resolution and accompanying services will be displayed. The current time is also shown. The information is available for the current and following program (Present/Following Table) and they can be selected using the left/right arrows.

No Event Info	Swedish	Parent Rating: None	02:00-09:30
0003 YLE FST	576i	MPEG2 TTX	07:37

8.3. Audio

In the DTV mode, press the **AUDIO** button to enter the **Audio Language** menu. Use the **▲/▼** buttons to select the desired language from those broadcast on the channel.



8.4. Subtitle

In the DTV mode, press the **SUBTITLE** button to display the subtitles from those broadcast on the channel.



Note:

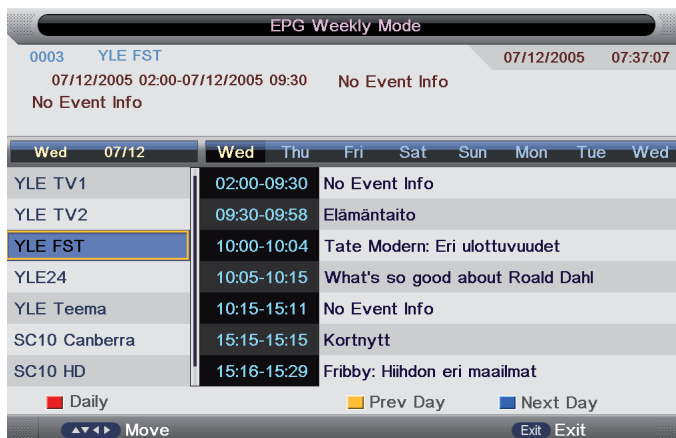
The offered sounds and titles are the responsibility of the channel broadcaster.

8.5. DTV/Radio Switch

In the RADIO mode, press the **DTV/RADIO** button to switch between the digital television and digital radio channel modes.

8.6. EPG

In the DTV mode, press the **GUIDE** button to display the electronic program guide. For navigating in the submenu, use the coloured and direction buttons, while following the instructions shown on the screen.



The **red** button can be used to switch between the daily and weekly display. In the selected program (in the weekly display you will go right to the list of programs) it is also possible to add a timer - the **green** button cyclically switches a reminder about the start of a program and switches to this program, recording of a selected program and cancelling the timer. The selected time function is accompanied by a symbol next to the program. In the display it is possible to move to the previous or next day by pressing the **yellow**, respectively **blue** button. Pressing the **INFO** button will display further information about the given program.

Note:

EPG information is the responsibility of the channel broadcaster. Loading all information takes a few moments depending on the amount of data. The broadcaster usually provides information about programs for 7 days in advance.

9. MULTIMEDIA

Press the **SOURCE** button on the remote control and use the **▲/▼** buttons to select MEDIA to enter the multimedia playback mode. Check that the USB memory device is properly connected.

Common functions: to playback one (selected) file, press the **PLAY/PAUSE** button, to return to the list of files, press the **EXIT** button. In the file list it is possible to delete the selected files (red button).

To playback multiple files, add them to the Playlist by pressing **OK**. If you wish to add all the files in the directory, press the green button. Then launch the Playlist by pressing **PLAY/PAUSE**. Playback can be paused by pressing **PLAY/PAUSE** or ended by pressing the **STOP** or **EXIT** buttons. If necessary the Playlist can be displayed and edited even during playback in the local menu in the item List of playlists.

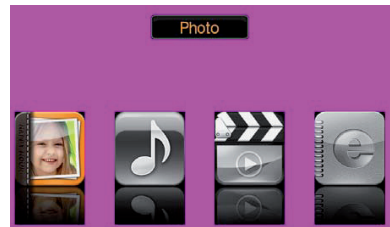
The **INFO** button will display the available information about the current file.

Pressing **OK** will display the **LOCAL MENU** playback function represented by icons, the **EXIT** button will hide them again. In the local menu, it is possible to select individual functions using the left/right arrows and pressing **OK**.

It is possible to select from the following media options (from left to right):

9.1. Photo

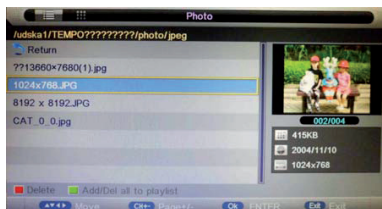
Use the **◀/▶** buttons to select **Photo** and press the **OK** button to enter the submenu.



Use the **▲/▼** buttons to select a disc and press the **OK** button to enter the selected disc.

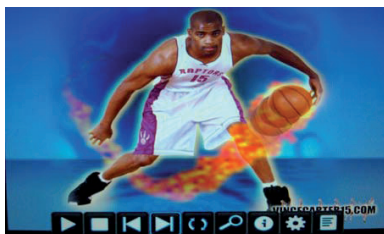


Use the ▲/▼ buttons to select a file that you wish to display and press the ►|| button to display the picture on the screen.



Use the ◀/▶ buttons to select a menu item, the list of which will be displayed in the information panel in the bottom part of the screen. To select an item press the **OK** button.

In the **Settings** item (cog wheel) it is possible to select repeat play, background music, repeating speed and the permeation effect. The item **Rotation** makes it possible to rotate a picture in 90° steps. The item **Magnifying Glass** makes it possible enlarge the picture and to move around on it.

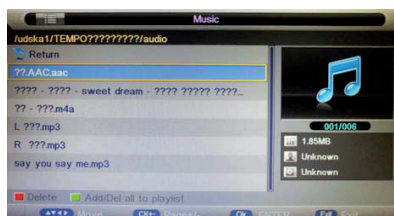


9.2. Music

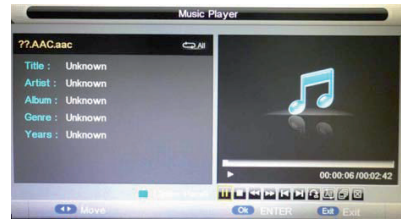
Use the ◀/▶ buttons to select **Music** and press the **OK** button to enter the submenu.



Use the ▲/▼ buttons to select a disc and press the **OK** button to enter the selected disc.



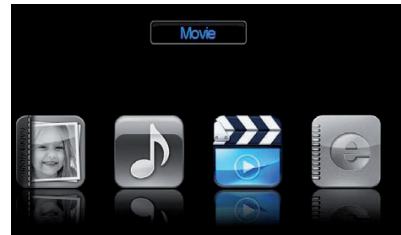
Use the ▲/▼ buttons to select a file that you wish to display and press the ►|| button to launch an audio track.
Use the ◀/▶ buttons to select a menu item, the list of which will be displayed in the information panel in the bottom part of the screen. To select an item press the **OK** button.



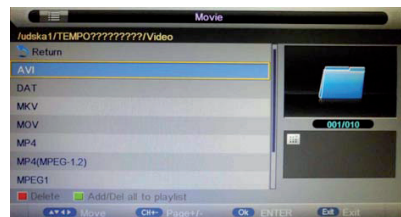
Apart from controlling playback, the local menu also contains the items: Go to Time, Repeat (Single, All, Random), Playlist and Turn off Panel.
The panel can also be turned off using the **Blue** button; you can turn on the panel using **any** button except for the **POWER** button.

9.3. Movie

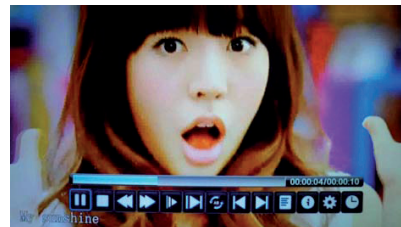
Use the ◀/▶ buttons to select **Movie** and press the **OK** button to enter the submenu.



Use the ▲/▼ buttons to select a disc and press the **OK** button to enter the selected disc.



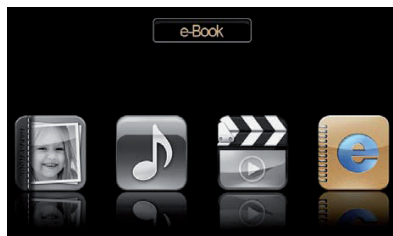
Use the ▲/▼ buttons to select a file that you wish to display and press the ►|| button to launch an video track.
Use the ◀/▶ buttons to select a menu item, the list of which will be displayed in the information panel in the bottom part of the screen. To select an item press the **OK** button.



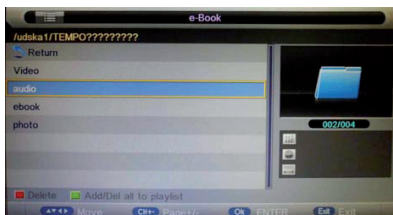
The local menu, apart from controlling playback also has the following items: Slow playback (1/2, 1/4, 1/8, 1/16, 1/1), Step playback, Repeat A-B, Playlist, Info, Film Settings, Go to time. In the settings item it is possible to set repeat playback, select from multiple language tracks, select from multiple accompanying subtitles.

9.4. Text

Use the ◀/▶ buttons to select **Text** and press the **OK** button to enter the submenu.

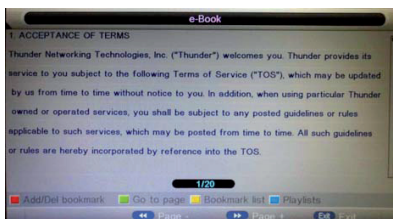


Use the ▲/▼ buttons to select a disc and press the **OK** button to enter the selected disc.



Use the ▲/▼ buttons to select a file that you wish to display and press the ▶|| button to display the text on the screen. Use the coloured buttons to select various functions displayed in the bottom part of the screen.

The red button adds/removes a bookmark from the currently displayed page. The green button skips to a certain page. The yellow button calls up the bookmark list.



Note:

The pictures provided above are for illustration purposes only and may differ from the model that you actually have.

10. Personal video recorder (PVR)



ATTENTION

Before commencing to record a DTV broadcast on to a USB device or a HDD, connect the USB device or HDD to the television and test the operation of the USB memory and the reliability of the recording, particularly the writing speed to a USB memory. During connection the television tests the USB memory and issues a report about it. The test result is stored in a small file UsbInfo.txt, where the memory's speed classification is recorded. In the event of an unsatisfactory test result, format the USB memory directly in the television and repeat the connection. In the event of permanently unsatisfactory test results, use a different USB memory.



IMPORTANT INFORMATION

IT IS ONLY POSSIBLE TO MAKE RECORDINGS IN THE DTV MODE. IT IS NOT POSSIBLE TO MAKE RECORDINGS IN ATV MODE OR FROM CONNECTED EXTERNAL DEVICES (such as external decoder, CANAL+ decoder, etc.).

Press the **SOURCE** button and use the **▲/▼** buttons to select the item **DTV**. Then press the **MENU** button and use the **▲/▼** buttons to select the **Feature** menu.

Use the **▲/▼/◀/▶** buttons to select the item **PVR/Timeshift** and press the **OK** button to enter the submenu.

- Use the **▲/▼** buttons to select **Partition Select** and press the **OK** button to enter.
- Use the **▲/▼** buttons to select **Auto Timeshift** and press the **OK** button to enter. Here select "On" or "Off".
- Use the **▲/▼** buttons to select **Timeshift Buffer** and press the **OK** button to enter. Here select the required buffer length: Auto, 30 minutes, 1hour, 2 hours.
- Use the **▲/▼** buttons to select **Record List** and press the **OK** button to enter. Use the **▲/▼** buttons to select a file from previous recordings and use the **▶||** button to launch the file. Press the **▶||** button again to pause playback.
- Use the **▲/▼** buttons to select **Recorder Start** and press the **OK** button to enter.

Note: You can also press the **REC** button to start recording. Starting and stopping recording from the remote control requires a confirmation in the subsequently displayed dialogue box.

The current recording status is indicated by a small **REC** symbol on the screen. It is not possible to switch to a different program while recording. If you attempt to change the program, a dialogue box will appear asking whether you really want to interrupt the recording and change the program to a different one (select OK) or to allow the current recording to continue (option Cancel-Cancel).

11. DVD player

The DVD functions are only available if the TV is switched to DVD mode. When inserting or removing a disk from the slot, it is necessary for the TV to be in DVD mode. Otherwise the DVD mode will not function.

To enter the **DVD** mode, press the **SOURCE** button and then select **DVD**.

Enter the DVD mode (turn on the TV and press the **DVD** button) and you will be able to insert a DVD disc.

The disc is inserted with the printed side away from you when you are facing the TV.

The DVD mode control buttons are shown in the picture below.

11.1. General Setup Page

In the DVD mode press the **D.SETUP** button and then use the ◀/▶ buttons to select **GENERAL SETUP PAGE** and then press the **OK** button.

Use the ▲/▼ buttons to select options in the menu.

Press the **ENTER** button to enter the menu or options and use the ▲/▼ buttons to select a submenu.

Press the **ENTER** button to confirm.

Press ◀ (left arrow) to go from the submenu to a higher level menu.

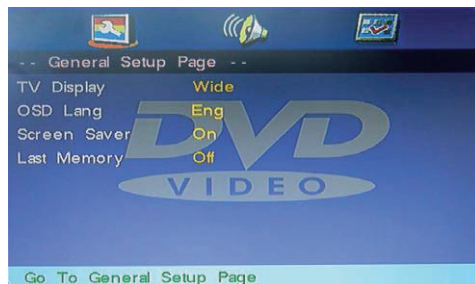
Press the **D.SETUP** button to exit the DVD settings menu.

Note:

It is only possible to enter DVD Settings when not recording, i.e. after the STOP button is pressed once or twice.

Options

- 1) **TV Screen** - you can only set Wide (Wide angle picture). As the DVD is built into the TV, it is not recommended to change the settings because it is already setup from the TV mode.
- 2) **OSD LANGUAGE** - Select a language for the DVD menu.
- 3) **SCREENSAVER** - Turn the screensaver function on/off if there is no signal in DVD mode.
- 4) **LAST MEMORY** - Turn the last memory function on/off. It makes it possible resume playback of a film from the location where playback was stopped.



11.2. Audio Setup Page

In the DVD mode press the **D.SETUP** button and then use the ◀/▶ buttons to select **AUDIO SETUP PAGE** and then press the **OK** button.

Use the ▲/▼ buttons to select options in the menu.

Press the **OK** button to enter the menu or options and use the ▲/▼ buttons to select a submenu.

Press the **OK** to confirm.

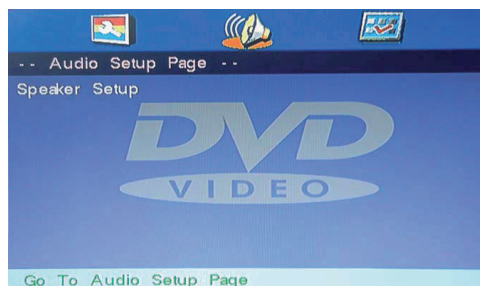
Press ◀ (left arrow) to go from the submenu to a higher level menu.

Press the **D.SETUP** button to exit the DVD settings menu.

Options

As the DVD is built into the TV, it is not recommended to change the settings because it is already setup from the TV mode.

- 1) **SPEAKER SETUP (Loudspeaker settings)** - select and set the loudspeaker type.



11.3. Preference Page

In the DVD mode press the **D.SETUP** button and then use the ◀/▶ buttons to select **PREFERENCE PAGE** (Preferences) and then press the **ENTER** button.

Use the ▲/▼ buttons to select options in the menu.

Press the **ENTER** button to enter the menu or options and use the **▲▼** buttons to select a submenu.

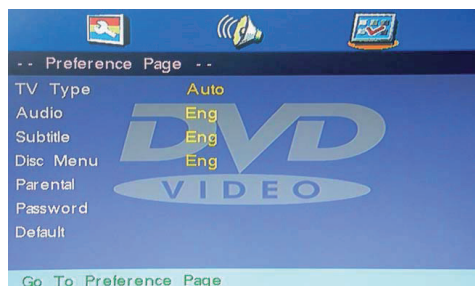
Press the **ENTER** button to confirm.

Press **◀** (left arrow) to go from the submenu to a higher level menu.

Press the **D.SETUP** button to exit the DVD settings menu.

Options

- 1) **TV Type** - You can only set 16:9 (wide angle picture).
- 2) **Audio** - set the preferred audio language for the DVD player.
- 3) **Subtitles** - set the preferred subtitle language for the DVD player.
- 4) **Disc Menu** - Select a language menu present on the DVD disc.
- 5) **Parental** - Activate a rating filter for viewed films.
- 6) **Password** - Set a password for blocking the DVD player.
- 7) **Default** - Restore default factory settings for the DVD player.



Note:

The DVD player supports only standard size DVD discs. It does not support mini DVD discs or irregularly shaped discs - do not insert them into the device!

Languages for the DVD, subtitles and menus depend on the disc. If the disc does not support your chosen language then such a language will not be displayed and the default language will be set - English.

12. Troubleshooting

Before calling the service centre, please check that you cannot remedy the problem yourself according to the points provided below. If the problem persists, stop using the TV and contact an authorised service centre. Under no condition should you repair the device yourself.

1. The screen is empty or the TV cannot be turned on.

- Check that the power cord is correctly connected and that the power socket is appropriate for the TV plug.
- Check that there is current inside the power socket.
- Check that the main power switch is in the "ON" position (if the TV is equipped with one).

2. No picture.

- Check that the TV is turned on and is in the TV mode (press the **POWER** button).
- Check that the audio cable is correctly connected. Disconnect the power cord, wait several minutes and then reconnect it.
- Check that the antenna cable is correctly connected.
- Check that the antenna settings are correct.
- Check the TV brightness setting.
- Check whether a broadcasting outage of the channel occurred. Contact the channel operator to check that the channel is in operation.

3. Weak picture and poor picture quality.

- Move the antenna so that obstacles are not blocking the signal.
- Check that there is no mobile phone or microwave oven in the vicinity of the TV.
- Use a coaxial cable with an impedance of 75 ohms to connect the antenna to the TV.
- When the AV picture is weak, use a flexi cable for connecting the video player.

4. No or weak audio.

- Check whether the AV cable is correctly connected.
- Check the TV volume setting.
- Check that you have not pressed the MUTE button.
- Check the audio type and the soundtrack option in the AV menu.

5. Remote control is not working.

- Point the remote control directly at the television at the location where the remote control sensor is located.
- Prevent sunlight or light from fluorescent tubes from falling directly on to the remote control sensor.
- Take out and reinsert the batteries.
- Replace the batteries with new ones.

6. It is not possible to perform programming.

- Check that no prior reservation is blocking making a new setting.
- Check that the TV is running or in stand-by mode when programming. If there is no current in the main power switch or the power socket, it will not be possible to start the programming function.

13. Technical specifications

Model	SLE 1945DM4
Panel size	18.5"
Consumption	36 W
Standby power consumption	<1W
Nominal voltage	12V, 3A (DC)
Remote control	Yes
VESA wall mount	100*100 mm
Dimensions with stand (W × H × D)	458*160*340 mm
Dimensions w/o stand (W × H × D)	458*54*295 mm
Weight netto with stand	4 kg
Weight netto w/o stand	3.5 kg
Connections	
RF IN	1
AV in	1
SCART	1
Component YPbPr	1
VGA (D-Sub 15 pin)	1
HDMI	1
SPDIF coaxial	1
USB	1
USB supported formats	PHOTO:JPEG,BMP,GIF;MOVE:AVI,MPEG4 and so on;music:wave,aac...
CI slot	1
Other features	
WXGA resolution	1366X768
Brightness (cd/m2)	200
Aspect ratio	16:09
Dynamic contrast	10000:1
Response time (ms)	5 ms
Colours	yes
Colour temperature settings	normal,warm,cool,user
Viewing angle	170°/160°
Built-in tuner	SIL2158
Video system	ATV:PAL ,SECAM;DTV:MPEG 2 MP@HL, MPEG-2, MP@HL, H.264
Audio system	ATV:NICAM/A2;DTV:MPEG-1 Layer 1/2, MPEG-2 Layer 2, DD, DD+

Stereo sound	yes
Sound output	yes
PVR recording to USB	yes
Pitch correction	yes
Progressive Scan	yes
Timeshift function	yes
Electronic Programme Guide EPG	yes
Teletext	Yes
Teletext pages	1000
Comb filter	3D
OSD menu	Yes
Zoom	4:3/16:9/ZOOM1/ZOOM2/FULL/AUTO...
Noise reduction	Yes
Timer off /on/sleep	Yes
Subtitles	yes
Audio language	yes
Channel list	yes
Favourites list	yes
Picture freeze	yes
Radio	yes
Lock	yes
Parent lock	yes
Hotel mode	yes

The technical specifications provided above are subject to change without prior notice.

INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING MATERIALS

Dispose of packaging material at a public waste disposal site.



DISPOSAL OF USED ELECTRICAL AND ELECTRONIC APPLIANCES

The meaning of the symbol on the product, its accessory or packaging indicates that this product shall not be treated as household waste. Please, dispose of this product at your applicable collection point for the recycling of electrical & electronic equipment waste. Alternatively in some states of the European Union or other European states you may return your products to your local retailer when buying an equivalent new product. The correct disposal of this product will help save valuable natural resources and help in preventing the potential negative impact on the environment and human health, which could be caused as a result of improper liquidation of waste. Please ask your local authorities or the nearest waste collection centre for further details. The improper disposal of this type of waste may fall subject to national regulations for fines.

For business entities in the European Union

If you wish to dispose of an electrical or electronic device, request the necessary information from your seller or supplier.

Disposal in other countries outside the European Union

If you wish to dispose of this product, request the necessary information about the correct disposal method from local government departments or from your seller.



This product meets all the basic EU regulation requirements that relate to it.

Changes to the text, design and technical specifications may occur without prior notice and we reserve the right to make these changes.

SENCOR®

EN Warranty conditions

Warranty card is not a part of the device packaging.

This product is warranted for the period of 24 months from the date of purchase to the end-user. Warranty is limited to the following conditions. Warranty is referred only to the customer goods using for common domestic use. The claim for service can be applied either at dealer's shop where the product was bought, or at below mentioned authorized service shops. The end-user is obligated to set up a claim immediately when the defects appeared but only till the end of warranty period. The end user is obligated to cooperate to certify the claiming defects. Only completed and clean (according to hygienic standards) product will be accepted. In case of eligible warranty claim the warranty period will be prolonged by the period from the date of claim application till the date of taking over the product by end-user, or the date the end-user is obligated to take it over. To obtain the service under this warranty, end-user is obligated to certify his claim with duly completed following documents: receipt, certificate of warranty, certificate of installation.

This warranty is void especially if apply as follows:

- Defects which were put on sale.
- Wear-out or damage caused by common use.
- The product was damaged by unprofessional or wrong installation, used in contrary to the applicable instruction manual, used in contrary to legal enactment and common process of use or used for another purpose which has been designed for.
- The product was damaged by uncared-for or insufficient maintenance.
- The product was damaged by dirt, accident of force majeure (natural disaster, fire, and flood).
- Defects on functionality caused by low duality of signal, electromagnetic field interference etc.
- The product was mechanically damaged (e.g. broken button, fall).
- Damage caused by use of unsuitable media, fillings, expendable supplies (batteries) or by unsuitable working conditions (e.g. high temperatures, high humidity, quakes).
- Repair, modification or other failure action to the product by unauthorized person.
- End-user did not prove enough his right to claim (time and place of purchase).
- Data on presented documents differs from data on products.
- Cases when the claiming product cannot be indentified according to the presented documents (e.g. the serial number or the warranty seal has been damaged).

Authorized service centers

Visit www.sencor.eu for detailed information about authorized service centers.